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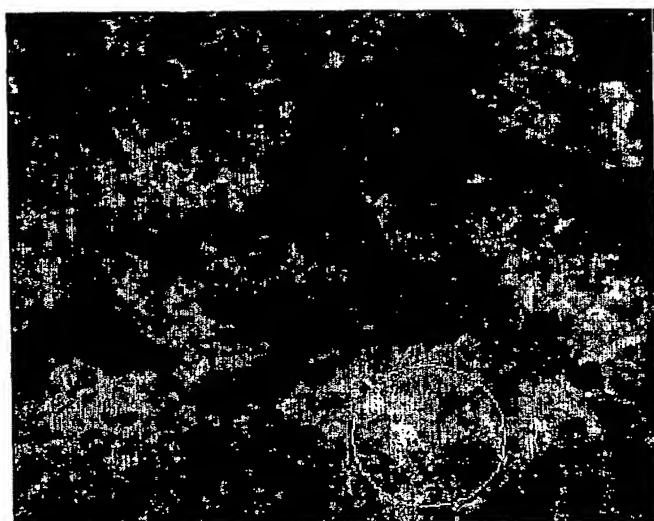
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[Continued on next page]

(54) Title: MICROBIAL MATERIALS FOR DEGRADATION OF OILS AND TOXIC CHEMICALS



Trichosporon app. strain
absorbed to the lipophilic
powder surface

(57) Abstract: Provided is microbial materials for degradation of oils and toxic chemicals. The microbial material includes a mixture comprising a microorganism and culture filtrate capable of degrading oil and toxic chemicals being at least one selected from the group consisting of Trichosporon loubieri Y1-A of deposit No. KCTC 18079P, Trichosporon cutaneum, and white-rot fungi living upon the surface of wood, lipophilic powder being at least one selected from the group consisting of natural wax, synthetic wax, beeswax and waste candle, and a microbial nutrient. The microbial material can efficiently, rapidly degrade contaminants that are unreadyly degradable, by increasing a contact area with the microorganism capable of degrading the unreadyly degradable contaminants.

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INTERNATIONAL SEARCH REPORT

International application No.
PCT/KR2004/000671

A. CLASSIFICATION OF SUBJECT MATTER

IPC7 C12N 1/16, B09C 1/10, C02F 3/00

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC7 C12N 1/16, B09C 1/10, C02F 3/00

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Korean Patents and applications for inventions since 1975

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

Delphion, PubMed, CA, 'degradation', 'Oil', 'Trichosporon', 'White-rot fungi'

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category*	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	KR 2002-0000444 A (Yum, K.J.) 05 January 2002. See the whole documents.	1-3
A	KR 2000-0066100 A (Korea Ocean Research & Development Institute) 15 November 2000. See the whole documents.	1-3
A	Romer, M.C. et al., 'Isolation and characterization of biaryllic structure-degrading yeasts: hydroxylation potential of dibenzofuran', Environ. Pollut., 118(3): 379-382, 2002. See the whole documents.	1-3



Further documents are listed in the continuation of Box C.



See patent family annex.

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KR 2002-00444 A

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